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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/818,683DATE: 06/14/2001
TIME: 12:27:34

Input Set: I818683.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Feng et al.
2 <120> TITLE OF INVENTION: 125 Human Secreted Proteins
3 <130> FILE REFERENCE: PZ020P1
4 <140> CURRENT APPLICATION NUMBER: US/09/818,683
5 <141> CURRENT FILING DATE: 2001-03-28
6 <150> EARLIER APPLICATION NUMBER: 09/305,736
7 <151> EARLIER FILING DATE: 1999-05-05
8 <150> EARLIER APPLICATION NUMBER: 1997-11-07
9 <151> EARLIER FILING DATE: 60/064,911
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33 <151> EARLIER FILING DATE: 60.066,095
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35 <151> EARLIER FILING DATE: 60/066,090
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TIME: 12:27:34

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143	taaaacaact gattgagaag aggattggca aagagaattt catagagaaa cttaggattt	840
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Input Set: I818683.RAW

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197	gaggccataa gttgtctgtc tcgtcaactt ctcgggtctg gcacmcgtac tatctccatg	420
198	gaacttccta aamccgtttt acgggtcaga acggtaattt caccgagcct ctgtgccaac	480
199	tagtacttcc gtaataaccgt tagccgctc tttcctgtc acaacacatt aaaacgttt	540
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207	tcgctgtttt tctgtcgaa ttacgatttgc ttgtgttct atgtgtcgtc tagaattttt	1020
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227	ccagttcgcc aaccattaca tccaggaagc tatctacggc tttgaggagt cctgttctat	300
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Please Note:

Use of n and/ r Xaa have b en detected in the Sequence Listing. Please review the Sequence Listing t ensure that a corresp nding explanation is presented in th <220> to <223> fields f each sequence which pres nts at least one n or Xaa.

Input Set: I818683.RAW

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Input Set: I818683.RAW

Line ? Error/Warning

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 Glu Leu Xaa
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 Gly Ala Val Ala Thr Cys Gln Pro Leu Xaa
 Glu Arg Thr Arg Leu Leu Ser Arg Asp Ile X
 Pro Ala Leu Gly Arg Phe Leu Ala Ser Glu L
 Gly Asp Pro Pro Ala Ile Leu Pro His Cys G
 His Phe Gln Asn Ser Gln Asn Xaa
 Glu Asn Asn Gly Ala Lys Leu Gln Ser Xaa
 Arg Gly Val Thr Met Phe Ile Xaa
 Ile Phe Tyr His Arg Gly Val Xaa
 Tyr Asn Tyr Ser Tyr Pro Phe Ala Cys Asp G
 Pro Lys Arg Glu Glu His Val Glu Xaa Pro X
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 Lys Glu Ser His Gln Lys Arg Lys Xaa
 Val Leu Cys Gln Val Thr Cys Trp Val Lys X
 Trp Thr His Pro Ser Leu Ser Leu Gly Pro A
 Thr Trp His Asn Trp Leu Leu Pro Pro His L
 Gly Trp Thr Arg Xaa
 Ala Glu Leu Glu Ala Leu Lys Lys Ser Cys X
 Leu Thr Ser Leu Ala Gly Leu Gly Leu Trp L
 Ala Pro Ile Arg Trp Phe Xaa
 Met Val Thr Gly Phe Phe Ile Leu Met T
 Phe Leu Ile Pro Ala Xaa Glu Ala Leu Leu T
 Phe Ser Ile Cys Thr Asn Val Asn His Ser L
 Val Leu Arg Xaa Phe Trp Val Leu Thr Val L
 Met Ile Arg Ala Cys Arg Val Asn Xaa
 Ser Cys Leu Pro Ser Pro Leu Xaa Lys Asn T
 Ser Ser Asp Pro Asn Ser Met Asp Xaa
 Ile Val Trp Thr Tyr Met Lys Arg Ser Xaa
 Thr Asn Phe Leu Ile Pro Leu Leu Val Pro P
 Leu Gln Val Thr Glu Pro Lys Leu Ser Cys P
 His Val Pro Ala Pro Gln Glu Xaa

Input Set: I818683.RAW

Line ? Error/Warning

Original Text

4780 W "N" or "Xaa" used: Feature required
 4795 W "N" or "Xaa" used: Feature required
 4810 W "N" or "Xaa" used: Feature required
 4827 W "N" or "Xaa" used: Feature required
 4846 W "N" or "Xaa" used: Feature required
 4863 W "N" or "Xaa" used: Feature required
 4888 W "N" or "Xaa" used: Feature required
 4894 W "N" or "Xaa" used: Feature required
 4896 W "N" or "Xaa" used: Feature required
 4913 W "N" or "Xaa" used: Feature required
 4934 W "N" or "Xaa" used: Feature required
 4936 W "N" or "Xaa" used: Feature required
 4938 W "N" or "Xaa" used: Feature required
 4963 W "N" or "Xaa" used: Feature required
 4979 W "N" or "Xaa" used: Feature required
 4996 W "N" or "Xaa" used: Feature required
 5015 W "N" or "Xaa" used: Feature required
 5077 W "N" or "Xaa" used: Feature required
 5099 W "N" or "Xaa" used: Feature required
 5118 W "N" or "Xaa" used: Feature required
 5139 W "N" or "Xaa" used: Feature required
 5154 W "N" or "Xaa" used: Feature required
 5173 W "N" or "Xaa" used: Feature required
 5228 W "N" or "Xaa" used: Feature required
 5230 W "N" or "Xaa" used: Feature required
 5232 W "N" or "Xaa" used: Feature required
 5238 W "N" or "Xaa" used: Feature required
 5255 W "N" or "Xaa" used: Feature required
 5272 W "N" or "Xaa" used: Feature required
 5287 W "N" or "Xaa" used: Feature required
 5302 W "N" or "Xaa" used: Feature required
 5317 W "N" or "Xaa" used: Feature required
 5332 W "N" or "Xaa" used: Feature required
 5347 W "N" or "Xaa" used: Feature required
 5376 W "N" or "Xaa" used: Feature required
 5380 W "N" or "Xaa" used: Feature required
 5384 W "N" or "Xaa" used: Feature required
 5388 W "N" or "Xaa" used: Feature required
 5402 W "N" or "Xaa" used: Feature required
 5421 W "N" or "Xaa" used: Feature required
 5442 W "N" or "Xaa" used: Feature required
 5459 W "N" or "Xaa" used: Feature required
 5478 W "N" or "Xaa" used: Feature required
 5497 W "N" or "Xaa" used: Feature required
 5512 W "N" or "Xaa" used: Feature required
 5529 W "N" or "Xaa" used: Feature required
 5535 W "N" or "Xaa" used: Feature required
 5552 W "N" or "Xaa" used: Feature required
 5569 W "N" or "Xaa" used: Feature required
 5594 W "N" or "Xaa" used: Feature required

Phe Val Gly Lys Xaa
 Leu Gly Cys Leu Ile Gly Val Ser Ser Asp G
 Tyr Leu Glu Gly Gln His Leu Gln Ile Cys P
 Gly Lys Val Pro Leu Leu Xaa
 Ser Ser Xaa
 Thr Val Xaa
 Leu Phe Leu Gly Ser Ser Ala His Leu Leu V
 Xaa Arg Val Glu Gly Ala Phe Ala Arg G
 Gln Tyr Phe Pro Val Ser Cys Leu Tyr Gln X
 Leu Ser Lys Val Lys Phe Xaa
 Asp Glu Leu Leu Ala Ser Leu Met Met Xaa L
 Asn Cys Ser Ser Thr Thr Asp Ile Xaa Asn G
 Gly Gln Asn Phe Met Phe Gln Gln Asn Leu G
 Xaa
 Ser Tyr His Glu Phe Leu Ile Ala Thr Tyr A
 His Arg Pro Phe Leu Glu Arg Ile His Val L
 Asn Asp His Ile Ser Ile Xaa
 Xaa
 Ser Gly Lys Gly Phe Gly Lys Ser Thr A
 Glu Pro Ala Arg Ser His Gly Leu Trp Arg A
 Glu Phe Arg Arg Ser His Xaa
 Ile Cys Ser Ile Gln Asp Glu Ser Lys Xaa
 Asn Phe Phe Cys Xaa
 Gln Xaa Thr Val Arg Gly Glu Lys Gly Gln A
 Xaa Arg Lys Xaa Thr Xaa Pro Gly Cys L
 Val Cys Lys Pro Ala Lys Xaa Gly Leu Gly G
 Leu Gly Phe Pro Ser Ala Ser Arg Xaa
 Ser Cys Ile Gln Gln Val Ser Gln Val Gln T
 Trp Glu Thr Lys Cys Cys His Val Arg Ser L
 Leu Tyr Phe Leu His Ser Arg Val Cys Ala X
 Ile Gln Met Leu Pro Gly Leu Gln Xaa
 Leu Val Leu Val Lys Met Gly Tyr Asn Asn L
 Ser Gln Val Phe Pro Glu Glu Val Val Xaa
 Ile Ser Leu Leu Ile Ala Leu Asp Arg Xaa
 Xaa Ala Pro Ala Pro Pro Arg Arg Ala Ala A
 Tyr Asn Arg Gly Arg Ala Ala Gly Xaa Arg A
 Ala Thr Leu Glu Pro Pro Cys Asn Xaa X
 Xaa
 Trp Lys Ala Gly Cys Phe Val Pro Leu Pro A
 Val Tyr Trp Asn Met Ser Xaa Thr Ile Met M
 Arg Asn Ser Lys Thr Val Phe Thr Ser Xaa
 Arg Phe Xaa
 Xaa
 Asp Gly Asp Arg Lys Asp Asp Asn Ser Gly T
 Leu Asn Glu Ile Ile Thr Thr Ser Thr Trp A
 Cys Phe Leu Val Ala Leu Ile Ile Trp Cys X
 Thr Xaa
 Leu Leu Gly Trp Arg Ala Ser Leu Cys Met L
 Asn Ala Lys Ser Leu Gly Leu Xaa
 Pro Pro Gln Lys Ser Ser Cys Xaa Arg Leu H

Input Set: I818683.RAW

Line ? Error/Warning

Original Text

5610 W "N" or "Xaa" used: Feature required
 5625 W "N" or "Xaa" used: Feature required
 5642 W "N" or "Xaa" used: Feature required
 5659 W "N" or "Xaa" used: Feature required
 5674 W "N" or "Xaa" used: Feature required
 5691 W "N" or "Xaa" used: Feature required
 5708 W "N" or "Xaa" used: Feature required
 5725 W "N" or "Xaa" used: Feature required
 5740 W "N" or "Xaa" used: Feature required
 5757 W "N" or "Xaa" used: Feature required
 5778 W "N" or "Xaa" used: Feature required
 5780 W "N" or "Xaa" used: Feature required
 5795 W "N" or "Xaa" used: Feature required
 5832 W "N" or "Xaa" used: Feature required
 5836 W "N" or "Xaa" used: Feature required
 5853 W "N" or "Xaa" used: Feature required
 5867 W "N" or "Xaa" used: Feature required
 5884 W "N" or "Xaa" used: Feature required
 5903 W "N" or "Xaa" used: Feature required
 5905 W "N" or "Xaa" used: Feature required
 5920 W "N" or "Xaa" used: Feature required
 5924 W "N" or "Xaa" used: Feature required
 5941 W "N" or "Xaa" used: Feature required
 5960 W "N" or "Xaa" used: Feature required
 5990 W "N" or "Xaa" used: Feature required
 6009 W "N" or "Xaa" used: Feature required
 6026 W "N" or "Xaa" used: Feature required
 6043 W "N" or "Xaa" used: Feature required
 6058 W "N" or "Xaa" used: Feature required
 6075 W "N" or "Xaa" used: Feature required
 6093 W "N" or "Xaa" used: Feature required
 6108 W "N" or "Xaa" used: Feature required
 6127 W "N" or "Xaa" used: Feature required
 6148 W "N" or "Xaa" used: Feature required
 6179 W "N" or "Xaa" used: Feature required
 6198 W "N" or "Xaa" used: Feature required
 6213 W "N" or "Xaa" used: Feature required
 6230 W "N" or "Xaa" used: Feature required
 6247 W "N" or "Xaa" used: Feature required
 6262 W "N" or "Xaa" used: Feature required
 6293 W "N" or "Xaa" used: Feature required
 6309 W "N" or "Xaa" used: Feature required
 6354 W "N" or "Xaa" used: Feature required
 6373 W "N" or "Xaa" used: Feature required
 6398 W "N" or "Xaa" used: Feature required
 6415 W "N" or "Xaa" used: Feature required
 6434 W "N" or "Xaa" used: Feature required
 6449 W "N" or "Xaa" used: Feature required
 6468 W "N" or "Xaa" used: Feature required
 6483 W "N" or "Xaa" used: Feature required

Leu Leu Ile Thr Xaa
 His Cys Ile Ser Ser Gln Phe Trp Xaa
 Cys His Ser Gly Arg Val Gln Phe Arg Arg P
 Ala Asn Met Thr Ser Trp Pro Gln Arg Met X
 Phe Gly Leu Ser His His Ser Arg Lys Val A
 Ala Gly Ser Gly Ser Ser Trp His Asp Val P
 Phe Glu Glu Xaa
 Leu Tyr Xaa
 Leu Ser Lys Leu Pro Met Thr Leu Val Ser P
 Trp Trp Asn Xaa
 Glu Arg Ala Gly Ser His Gly His Gln Ala L
 Leu Xaa
 Gln Met Pro Gln Arg Cys Leu Pro Cys Cys M
 Arg Phe Tyr Leu Gly Gln Trp Xaa Glu Gly L
 Val Gly Tyr Val Gly Pro Ala Asp Gly Ser L
 Xaa
 Val Ile Leu Asn Lys Ser Ser Arg Xaa
 Gly Lys Gly His Xaa
 Leu Ser Asn Tyr Leu Phe Lys Thr Pro Arg T
 Arg Xaa
 Met Cys Leu Pro Leu Leu His Cys Thr Gly A
 His Gln Thr Val Gly Leu Val Val His Asp T
 Pro Gly Lys Gln Val Trp Xaa
 Ser Lys Tyr Phe Xaa
 Asn Xaa Asp Thr Thr Phe Lys Asn Lys Met L
 Cys Thr Asn Ile Ile Cys Ser Phe Gly Phe P
 Ser Gly Ala Val Xaa
 Val Val Thr Asp Xaa
 Val Lys Ile His Asn His Gly Arg Leu Pro X
 Xaa
 Leu Asn Arg Ser Arg Ile Pro Thr Gln Ile X
 Gly Cys Gly Arg Asn His Leu Ala Phe Lys A
 Xaa
 Thr Asp Asp Xaa
 Phe Thr His Lys Cys Pro Asp Val Xaa
 Leu Leu Xaa
 Thr Val Ile Val Thr Tyr Cys Gly Pro Leu L
 Ser Cys Thr Ile Lys Xaa
 Val Pro Arg Ala Ala Asn Lys Gly Xaa
 Asp Arg Val Ile Ile Thr Glu Arg Ile Xaa
 Xaa
 Leu Ile Xaa
 Cys Arg Ser Leu Arg Asn Xaa
 Gly Phe Ser Gly Xaa
 Phe Tyr Val Ser Val Lys Val Phe Lys Xaa
 Glu Ile Gln Gln Lys Ser Leu His Ser Ile X
 Leu Asn Asp Xaa
 Ile Ser His Ser Leu Thr Tyr Ser Phe His L
 Cys Ile Gly Ile Cys Arg Xaa
 Val Ser Gln Lys Arg Gly His Ile Xaa

Input Set: I818683.RAW

Line ? Error/Warning

Original Text

6502 W "N" or "Xaa" used: Feature required
 6734 W Line data has been corrected
 6735 W Line data has been corrected
 6736 W Line data has been corrected
 6737 W Line data has been corrected
 6738 W Line data has been corrected
 6739 W Line data has been corrected
 6740 W Line data has been corrected
 6741 W Line data has been corrected
 6742 W Line data has been corrected
 6743 W Line data has been corrected
 6744 W Line data has been corrected
 6745 W Line data has been corrected
 6746 W Line data has been corrected
 6747 W Line data has been corrected
 6748 W Line data has been corrected
 6749 W Line data has been corrected
 6750 W Line data has been corrected
 6751 W Line data has been corrected
 6752 W Line data has been corrected
 6753 W Line data has been corrected
 7338 W "N" or "Xaa" used: Feature required
 7348 W "N" or "Xaa" used: Feature required
 7387 W "N" or "Xaa" used: Feature required
 7406 W "N" or "Xaa" used: Feature required
 7417 W "N" or "Xaa" used: Feature required
 7557 W "N" or "Xaa" used: Feature required
 7649 W "N" or "Xaa" used: Feature required
 7691 W "N" or "Xaa" used: Feature required
 7989 W "N" or "Xaa" used: Feature required
 7993 W "N" or "Xaa" used: Feature required
 8021 W "N" or "Xaa" used: Feature required
 8053 W "N" or "Xaa" used: Feature required
 8055 W "N" or "Xaa" used: Feature required
 8088 W "N" or "Xaa" used: Feature required
 8150 W "N" or "Xaa" used: Feature required
 8152 W "N" or "Xaa" used: Feature required
 8172 W "N" or "Xaa" used: Feature required
 8199 W "N" or "Xaa" used: Feature required
 8201 W "N" or "Xaa" used: Feature required
 8464 W "N" or "Xaa" used: Feature required
 8508 W "N" or "Xaa" used: Feature required
 8547 W "N" or "Xaa" used: Feature required
 8551 W "N" or "Xaa" used: Feature required
 8553 W "N" or "Xaa" used: Feature required
 8555 W "N" or "Xaa" used: Feature required
 8557 W "N" or "Xaa" used: Feature required
 8602 W "N" or "Xaa" used: Feature required
 8604 W "N" or "Xaa" used: Feature required
 8608 W "N" or "Xaa" used: Feature required

Ser Val Thr Lys Thr Phe Leu Xaa
 GGGTCGACCC ACGCGTCCGG TAAAATATAA AGAAACTG
 AGATATAAGA GTTCGGACCG CCCAGCACAC AAGGTCAG
 CTCGCTATAG CTGTTGTCCA GATCGTTATC TTCTCAGA
 ATCAACTTCT ATAATGTGAG GCCTCCTCTC GACCCTAC
 TGCTTTACTT GTGAAAACGC AGGGGATAAT TATAACTG
 TGGTGTCCAC AAAATACACA GTACTGTTTG ACAGTTCA
 AGCACATCCA TCACCAAAAAA GTGTGCCTCC AGAAGTGA
 CACAGCCGAG ATTCTGAACA TACGGAGTGT AGGTCTTG
 GTAGAATTAC CCACCAATCA CACTAATGCA GTGTTGC
 TCTGGCAGCA GTGCCCCAC ACTCTACCTA CCAGTGCT
 TTGCTGTGAT GCCACCATTG CTAGGAGAGG CAGAGACC
 AACTGTGTGA ACGGTGAAC TTGGAGTGA GATCAATC
 ATTGGACCTC AAGGCAGAAG CCAGTGGTTT GCTTGGAT
 CAGGACTGAG GATGGGAATT TGGCAGGGCC TGAGAAGA
 GGTCAAAGAG AGCTACGTTT GGGCAGTTCT GCAGAGAG
 TGACTAGGCC TTTAGCTGAA AAGGATTCT TGACCTCC
 GGTCAAACCC TCTTGTTTAT GTGATTAGCT CAGAGCAT
 CCTCATGAGA AAGCAGTTT CCCCACCAAC AGCATACT
 AAGAAAACCTT CCAGTGGAAC TAATATGAAA TCTATTG
 CTTTAAATT ATACAATGTA AAAAAAAA AAAAAAAA
 Gln His Trp Cys Gly Cys Trp Arg Glu His X
 Leu Asp Leu Ala Gln Leu Val Thr Thr Thr T
 Gly Ser Thr Gly Val Ala Ala Gly Gly Ser T
 Ser Thr Xaa Ser Ser
 Glu Trp Pro Trp Gln His Trp Cys Gly Cys T
 Arg Xaa Lys Pro Cys Phe Gly Lys Lys Asn A
 Ser Glu Lys Xaa Xaa Gln Glu Glu Tyr Glu L
 Leu Gly Arg Ser Tyr Val Leu Pro Ala Phe S
 Gln Arg Pro His Pro Gln Pro Trp Xaa Pro M
 His Leu Ser Cys Thr His Ile Asn Pro Lys P
 Pro Pro Cys His Leu Ser Cys Thr His Ile A
 His His Ser Ser Val Pro Trp Leu Phe Cys S
 Xaa Gly Leu Gly Phe Ile
 His Ser Ser Val Pro Trp Leu Phe Cys Ser S
 Pro Pro Ile Phe Cys Leu Phe Thr Xaa Pro A
 Leu Asp Arg Val Ala Ala Leu Val Glu Cys T
 Leu Ala Trp Arg Leu Asp Xaa Ala Ser
 Lys Ser Pro Asn Met Xaa Xaa Ser Ser Pro I
 Phe Thr Gly Gln Ile Ser Ser Pro Leu Gly G
 Leu Gln Glu Ser Ala Xaa Gln Phe Ser Ser S
 Phe Xaa Leu Ala
 Pro Tyr Arg Gly Gly Xaa Pro Tyr His Leu P
 Cys Pro Ile Arg Xaa Gly Leu Glu Glu Lys G
 Gln Glu Pro Gly Met Xaa Gly Ser Cys Trp A
 Asn Val Glu Gly Gln Trp Phe Leu Lys Gln G
 Arg Xaa Xaa Xaa Leu Gly Leu
 Leu Arg Pro Arg His Gly Thr Leu Ala Ala A
 Ala Ala Pro Gly Xaa Arg Ser Arg Pro Ala P
 Arg Ala Gly Asp Val Gln Pro Arg Pro Gly S

Input Set: I818683.RAW

Line ? Error/Warning

Original Text

8612 W "N" or "Xaa" used: Feature required
 8614 W "N" or "Xaa" used: Feature required
 8634 W "N" or "Xaa" used: Feature required
 8655 W "N" or "Xaa" used: Feature required
 8661 W "N" or "Xaa" used: Feature required
 8778 W "N" or "Xaa" used: Feature required
 8780 W "N" or "Xaa" used: Feature required
 8784 W "N" or "Xaa" used: Feature required
 8811 W "N" or "Xaa" used: Feature required
 8937 W "N" or "Xaa" used: Feature required
 8958 W "N" or "Xaa" used: Feature required
 8984 W "N" or "Xaa" used: Feature required
 9068 W "N" or "Xaa" used: Feature required
 9457 W "N" or "Xaa" used: Feature required
 9461 W "N" or "Xaa" used: Feature required
 9465 W "N" or "Xaa" used: Feature required
 9467 W "N" or "Xaa" used: Feature required
 9502 W "N" or "Xaa" used: Feature required
 9504 W "N" or "Xaa" used: Feature required
 9506 W "N" or "Xaa" used: Feature required
 9512 W "N" or "Xaa" used: Feature required
 9649 W "N" or "Xaa" used: Feature required
 9779 W "N" or "Xaa" used: Feature required
 9781 W "N" or "Xaa" used: Feature required
 9913 W "N" or "Xaa" used: Feature required
 9944 W "N" or "Xaa" used: Feature required
 9946 W "N" or "Xaa" used: Feature required
 9948 W "N" or "Xaa" used: Feature required
 9971 W "N" or "Xaa" used: Feature required
 9977 W "N" or "Xaa" used: Feature required
 9979 W "N" or "Xaa" used: Feature required
 10377 W "N" or "Xaa" used: Feature required
 10389 W "N" or "Xaa" used: Feature required
 10407 W "N" or "Xaa" used: Feature required
 10462 W "N" or "Xaa" used: Feature required
 10548 W "N" or "Xaa" used: Feature required
 10634 W "N" or "Xaa" used: Feature required
 10656 W "N" or "Xaa" used: Feature required
 10672 W "N" or "Xaa" used: Feature required
 10899 W "N" or "Xaa" used: Feature required
 10901 W "N" or "Xaa" used: Feature required
 10959 W "N" or "Xaa" used: Feature required
 11018 W "N" or "Xaa" used: Feature required

Val Leu Pro Glu Gly Asp Pro Gly Gly Ala S
 Gly Val Pro Ala Pro Cys Val Xaa Glu Thr L
 Xaa Xaa Lys Gly Xaa Val Thr Lys Val Lys A
 Thr Leu Ala Ala Ala Val Xaa Ala Gly A
 Pro Arg Pro Gly Ser Arg Xaa Ala Gly Asp A
 Leu Trp His Arg Cys Cys Leu Pro Gly Gly A
 Leu Xaa Gln Gly Arg Ser Ala Cys Leu Leu H
 Leu Pro Pro Arg Ser Ser Gly Ser Lys Phe X
 Ala Xaa Gly Thr His Arg Xaa Ala Tyr Pro G
 Ser Cys Phe Leu Val Ala Leu Ile Ile Trp C
 Met Trp Val Xaa Gly Glu Glu Val Leu Gly S
 Met Asn Arg Val Ala His Pro Ser His Val L
 Ile Val Val Xaa Pro Met Gly Ser Gly Ser A
 His Arg Trp Val Pro Arg Ser Leu Pro Gly M
 Pro Xaa Pro Val Leu Cys Glu Trp Lys Arg L
 Ser Xaa Cys Arg Arg Gly His Leu Ser Phe L
 Pro Leu Phe Pro Ile Ser Pro Leu Xaa
 Arg Gly Pro Gln Pro Pro Gln Xaa Arg G
 Gly Tyr Gly Ala Pro Glu Arg Lys Leu Arg T
 Glu Arg Xaa Pro Pro Pro Pro Thr Pro G
 Ala Ala Arg Xaa Leu Pro Ile Pro Gly Arg A
 Cys His Tyr Thr Leu Met Ser His Ser Glu A
 Pro Pro His Pro Ser Leu His Pro Val Gln L
 Gln Gln Asn Pro Xaa His Asp Gln Arg Ala P
 Arg Gly Lys Lys Ile Lys Gly Thr Phe Asn X
 Lys Thr Phe Ile Leu Leu Phe Leu Pro Ser S
 Xaa Xaa Pro Pro Ser His Ser Ser Thr Leu G
 Ile Met Arg Ser Gly Asp Arg Xaa His Xaa G
 Val Val Phe Phe Xaa Xaa Phe Phe Glu Met G
 Tyr Arg Arg Pro Pro Pro Ser Pro Ala Asn L
 Arg Asp Gly Gly His His Val Ser Gln Xaa G
 Arg Gly Pro Xaa Asn Gly Arg Phe Ala Leu V
 Ala Leu Arg Arg Ala His Asp Tyr Glu Val A
 Met Val Ile Xaa Pro Gly Gly Leu Thr Ser G
 Xaa Tyr Arg Met Asn Thr Lys Phe Leu Glu S
 Thr Xaa Ser Leu Glu Asn His Lys Asn Ile A
 Gly Ser Val Leu Leu His Trp Arg Pro Asn X
 Ala Gln Tyr Arg Arg Leu Pro Phe Ser Arg A
 Ser Gly Ser Val Leu Leu His Trp Arg Pro A
 Pro Ala Gly Leu Trp Phe Cys Ile Lys Asn I
 Phe Gly Lys Xaa Gln Glu Ser Lys Lys Ala G
 His Lys Tyr Xaa Gln Glu Ser Lys Lys Ala G
 Leu Tyr Leu Leu Gly Asn Ile Asn Lys Arg T